

PTO/SB/08A (10-01)

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Substitute for form 1449A

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 14

Complete if Known

Application Number	10/002,750
Filing Date	November 15, 2001
First Named Inventor	Vogels et al.
Group Art Unit	1636
Examiner Name	M. Burkhart
Attorney Docket Number	2578-5148US

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ³ (if known)			
MB		4,487,829	12/11/84	Sharp et al.	
		4,517,686	05/21/85	Ruoslahti et al.	
		4,578,079	03/25/86	Ruoslahti et al.	
		4,589,881	05/20/86	Pierschbacher et al.	
		4,593,002	06/03/86	Dulbecco	
		4,792,525	12/20/88	Ruoslahti et al.	
		4,797,368	01/10/89	Carter et al.	
		4,956,281	09/11/90	Wallner et al.	
		5,024,939	06/18/91	Gorman	
		5,096,815	03/17/92	Ladner et al.	
		5,166,320	11/24/92	Wu et al.	
		5,198,346	03/30/93	Ladner et al.	
		5,204,445	04/20/93	Plow et al.	
		5,223,394	06/29/93	Wallner	
		5,223,409	06/29/93	Ladner et al.	
MB		5,240,846	08/31/93	Collins et al.	
		5,246,921	09/21/93	Reddy et al.	
		5,332,567	07/26/94	Goldenberg	
		5,349,053	09/20/94	Landolfi	
		5,403,484	04/04/95	Ladner et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
MB		EP 259212	08/11/87	Transgene S.A.		
		WO 91/00360	01/10/91	Medarex, Inc.		
		WO 91/05871	05/02/91	Medarex, Inc.		
		WO 91/05805	05/02/91	Trustees of Dartmouth College		
		WO 92/02553	02/20/92	Delta Bi-Otechnology Limited		
MB		WO 92/13081	08/06/92	British Technology Group PLC		

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6-24-05

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Sheet

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MB		5,436,146	07/25/95	Shenk et al.	
		5,443,953	08/22/95	Hansen et al.	
		5,474,935	12/12/95	Chatterjee et al.	
		5,521,291	05/28/96	Curiel et al.	
		5,534,423	07/09/96	Plasson et al.	
		5,543,328	08/06/96	McClelland et al.	
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		5,552,311	09/03/96	Sorscher et al.	
		5,559,099	09/24/96	Wickham et al.	
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		5,622,699	04/22/97	Ruoslahti et al.	
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		5,770,442	06/23/98	Wickham et al.	
		5,837,511	11-17-1998	Flack-Petersen et al.	
		5,846,782	12/08/98	Wickham et al.	
		5,849,561	12/15/98	Falck-Pedersen	
		5,856,152	01/05/99	Wilson et al.	
MB		5,871,727	02/16/99	Curiel	

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MB		WO 93/03769	03/04/93	U.S. Dept. of Health and Human Services		
		WO 93/06223	04/01/93	Centre National De La Recherche Scientifique		
		WO 93/07282	04/15/93	Boehringer Ingelheim International GMBH		
		WO 93/07283	04/15/93	Boehringer Ingelheim International GMBH		
		WO 94/08026	04-14-1994	Rhone-Poulenc Rorer S.A.		
MB		WO 94/10323	05/11/94	Imperial Cancer Research Technology Limited		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/002,750
				Filing Date	November 15, 2001
				First Named Inventor	Vogels et al.
				Group Art Unit	1636
				Examiner Name	M. Burkhart
Sheet	3	of	14	Attorney Docket Number	2578-5148US

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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MB		5,871,982	02/16/99	Wilson et al.	
		5,877,011	03/02/99	Armentano et al.	
		5,922,315	07/13/99	Roy	
		6,057,155	05/02/00	Wickham et al.	
		6,100,086	08/08/00	Kaplan et al.	
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		6,486,133	11/26/02	Hertyn et al.	
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		6,669,942	12/30/03	Perricaudet et al.	
		5,994,132	11-30-1999	Chamberlain et al.	
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		6,395,519	05-28-2002	Fallaux et al.	
		6,306,652	10-23-2001	Fallaux et al.	
		6,238,893	05-29-2001	Hoeben et al.	
		6,265,212	07-24-2001	Fallaux et al.	
		5,994,128	11-30-1999	Fallaux et al.	
		6,033,908	03-07-2000	Bout et al.	
MB		5,880,102	03-09-1999	George et al.	

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
MB		WO 94/11506	5-26-1994	Arch Development Corp.		
		EP 0 950 713	10-20-1999	Centeon Pharma GmbH		
		WO 98/17783	04-30-1998	Regents of the Univ. of Michigan		
		WO 02/40665	05-23-2002	Crucell Holland B.V.		
		WO 94/15644	07/21/94	Imperial Cancer Research Technology Limited		
		WO 94/17832	08/18/94	The Scripps Research Institute		
		WO 94/24299	10/27/94	Boehringer Ingelheim International GMBH		
		WO 94/26915	11/24/94	The Regents of the University of Michigan		
MB		WO 95/05201	02/23/95	Genetic Therapy, Inc.		

Examiner Signature		Date Considered	6-25-05
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Sheet

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Application Number	10/002,750
Filing Date	November 15, 2001
First Named Inventor	Vogels et al.
Group Art Unit	1636
Examiner Name	M. Burkhardt
Attorney Docket Number	2578-5148US

FOREIGN PATENT DOCUMENTS

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		Country Code ² - Number ³ - Kind Code ⁴ (if known)				
MB		WO 95/06745	03/09/95	Max-Planck-Gesellschaft Zur Förderung Der Wissenschaften E.U.		
		WO 95/14785	06/01/95	Rhone-Poulenc Rorer S.A.		
		WO 95/16037	06/15/95	Menarini Ricerche Sud S.p.A.		
		WO 95/21259	08/10/95	U.S. Dept. of Health and Human Services		
		WO 95/26412	10/05/95	The UAB Research Foundation		
		WO 95/27071	10-12-1995	Board of Regents, Univ. of Texas System		
		WO 95/31187	11/23/95	McMaster University		
		WO 95/31566	11/23/95	Viagene, Incorporated		
		WO 96/00326	01/04/96	Reinert, Gary, L., Sr.		
		WO 96/00790	01/11/96	Rhone-Poulenc Rorer S.A.		
		WO 96/07739	03/14/96	Neurocrine Biosciences, Incorporated		
		WO 96/10087	04/04/96	Rhone-Poulenc Rorer S.A.		
		WO 96/12030	04/25/96	Rhone-Poulenc Rorer S.A.		
		WO 96/13598	05/09/96	The Trustees of the University of Pennsylvania		
		WO 96/13597	05/09/96	The Trustees of the University of Pennsylvania		
		WO 96/14837	05/23/96	Genetic Therapy, Inc.		
		WO 96/17073	06/06/96	Takara Shuzo Co., LTD.		
		WO 96/18740	06/20/96	Rhone-Poulenc Rorer S.A.		
		WO 96/24453	08/15/96	Withers, Graham, Rex		
		WO 96/26281	08/29/96	Genvec, Inc. Cornell Research Foundation, Inc.		
MB		WO 96/35798	11/14/96	Introgene B.V.		
		WO 97/00326	01/03/97	Introgene B.V.		
		WO 97/12986	04/10/97	Cornell Research Foundation, Inc.		
		WO 97/20575	06/12/97	The University of Alabama at Birmingham Research Foundation		

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/002,750
				Filing Date	November 15, 2001
				First Named Inventor	Vogels et al.
				Group Art Unit	1636
				Examiner Name	D. Nguyen
				Attorney Docket Number	2578-5148US
Sheet	5	of	14		

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		Country Code ² - Number ³ - Kind Code ⁴ (if known)					
MS		WO	97/38723	10/23/97	Immusol Incorporated		
		WO	98/07865	02/26/98	Genvec, Inc.		
		WO	98/11221	03/19/98	Dana-Farber Cancer Institute		
		WO	98/13499	04/02/98	The Scripps Research Institute		
		WO	98/22609	05/28/98	Genzyme Corporation		
		WO	98/ 32842	07/30/98	Genetic Therapy, Inc.		
		WO	98/40509	09/17/98	Genvec, Inc.		
		WO	98/49300	11/05/98	Collateral Therapeutics		
		WO	98/50053 A1	11/12/98	Genetic Therapy, Inc.		
		EP	1016726	12/30/98	Intogene B.V.		
		WO	99/32647	07/01/99	Intogene B.V.		
		EP	1067188	07/08/99	Intogene B.V.		
		WO	99/47180A1	09/23/99	Genzyme Corporation		
		WO	99/55132	11/04/99	Intogene B.V.		
		WO	99/58646	11/18/99	Genera S.P.A.		
		EP	1020529	11/19/99	Intogene B.V.		
		WO	00/03029	01/20/00	Intogene B.V.		
		WO	00/24730 A2	05/04/00	The University of British Columbia		
		WO	00/31285	06/02/00	Intogene B.V.		
		WO	00/52186	09/08/00	Intogene B.V.		
		WO	00/70071 A1	11/23/00	Intogene B.V.		
		WO	01/04334	01/18/01	Intogene B.V.		
		WO	01/90158 A1	11/29/01	Crucell Holland B.V.		
		WO	02/24730	03/28/02	Crucell Holland B.V.		
MS		WO	02/27006	04/04/02	Crucell Holland B.V.		

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NON PATENT LITERATURE DOCUMENTS

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MB		ABRAHAMSEN et al., "Construction of an Adenovirus Type 7a E1A Vector," JOURNAL OF VIROLOGY, NOV. 1997, P. 8946-8951 Vol. 71, No. 11.	
		ALBIGES-RIZO et al., "Human Adenovirus Serotype 3 Fiber Protein," Journal of Biological Chemistry, 266(6), 3961-3967 (1991).	
		ANDERSON, Nature, "Human gene therapy," Apr. 1998, Vol. 392, pp. 25-30.	
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		BOURNELL et al., "In vitro construction of a recombinant adenovirus Ad2:Ad5," Gene, 13, 311-317 (1981).	
MB		BRIDGE et al., "Adenovirus Early Region 4 and Viral DNA Synthesis," Virology 193, 794-801 (1993).	

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Sheet	7	of	14

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MB		BRODY et al., "Adenovirus-Mediated in Vivo Gene Transfer," Annals New York Academy of Sciences pp.90-100.	
		CAILLET-BOUDIN et al., "Functional and Structural Effects of an Ala to Val Mutation in the Adenovirus Serotype 2 Fibre," J. Mol. Biol., 217, 477-486 (1991).	
		CHIU et al., Folding & Design, "Optimizing energy potentials for success in protein tertiary structure prediction," May 1998, 3:223-228.	
		CHROBOCZEK et al., "The Sequence of the Genome of Adenovirus Type 5 and Its Comparison with the Genome of Adenovirus Type 2," Virology, 186, 280-285 (1992).	
		CHROBOCZEK et al., Adenovirus Fiber, Current Topics in Microbiology and Immunology 1995;199 (Pt 1) pp. 163-200.	
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		CROMPTON et al., "Expression of a foreign epitope on the surface of the adenovirus hexon," J. Gen. Virol., 75(1), 133-139 (1994).	
MB		CRYSTAL, Ronald G., "Transfer of Genes to Humans: Early Lessons and Obstacles to Success," Science, 270, 404-410 (1995).	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/002,750
				Filing Date	November 15, 2001
				First Named Inventor	Vogels et al.
				Group Art Unit	1636
				Examiner Name	M. Burkhart
Sheet	8	of	14	Attorney Docket Number	2578-5148US

NON PATENT LITERATURE DOCUMENTS			
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MB		CURIEL et al., "High-Efficiency Gene Transfer Mediated by Adenovirus Coupled to DNA-Polylysine Complexes," Human Gene Therapy, 3, 147-154 (1992).	
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MB		FLOMENBERG et al., "Molecular Epidemiology of Adenovirus Type 35 Infections in Immunocompromised Hosts," The Journal Of Infectious Diseases Vol. 155, No. 6, June 1987.	
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				Group Art Unit	1636
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		Group Art Unit	1636
		Examiner Name	Vogels et al.
Sheet 11 of 14	Attorney Docket Number	2578-5148US	

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MB		KRASNYKH et al.: "Generation Of Recombinant Adenovirus Vectors With Modified Fibers For Altering Viral Tropism" Journal Of Virology, The American Society For Microbiology, US, vol. 70, no. 10, 1 October 1996 (1996-10-01), pages 6839-6846, XP002067518 ISSN: 0022-538X.	
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MB		PCT International Search Report, PCT/NL01/00824, dated July 19, 2002.	

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